

## ABSTRACT OF THE DISCLOSURE

[0057] A method and system for detecting moving objects and controlling a surveillance system includes a processing module adapted to receive image information from at least one imaging sensor. The system performs motion detection analysis upon captured images and controls the camera in a specific manner upon detection of a moving object. The image processing uses the camera's physical orientation to a surveillance area to facilitate mapping images captured by the camera to a reference map of the surveillance area. Using the camera orientation, a moving object's position (e.g., latitude, longitude and altitude) within a scene can be derived.